

## Work Sheet No. 4

### ARITHMETIC

#### CLASS NO. 4: MONEY PROBLEMS INCLUDING VAT

1. A suite of furniture is priced as €800 excluding VAT. If VAT is charged at 21%, how much do you have to pay for the suite?
2. A woman bought a computer for €1003 which includes VAT at 18%. How much VAT did she pay?
3. A student gets paid a basic rate of €15.60 per hour and one and half times the basic rate for working at weekends. His gross pay (the total pay without any deductions) at the end of the week is €257.40. If he works for three hours each evening on Wednesday, Thursday and Friday, find out how many hours he worked over the weekend.
4. The price per litre of petrol is €1.30 in garage A and €1.45 in garage B. Every time a particular customer goes to a garage A he fills his tank up with 25 litres of petrol. The price of a new tyre is €45. How many visits must he make to the cheaper garage until he has saved enough to buy a new tyre?
5. Mary uses 550 units of electricity in a particular month. The cost per unit of electricity is 12 cent. There is a standing charge of €5 to be added to her bill at the end of each month. VAT at 20% is then charged on the total amount. How much is her bill at the end of the month?
6. You are organising a raffle at your local sports club. 500 tickets costing €10 each are printed at a cost of €25. 75% of the tickets are sold. There are three prizes of €1000, €500 and €250. How much profit does the club make?
7. A tanker delivers oil to a home. The meter on the tanker reads 8,560 litres before delivery. After filling the tank of the household the meter reads 7,012 litres. Each litre costs 25 c. Find the total cost of the oil. When VAT is added on the total bill comes to €468.27. Calculate the rate of VAT added.
8. A computer retails at €917.18 which includes VAT at 21%. Calculate the amount of money saved if the VAT rate was reduced to 18%.

#### ANSWERS

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|------------|--------------|
| 1. €968    | 5. €85.20    |
| 2. €153    | 6. €1,975    |
| 3. 5 hours | 7. €387, 21% |
| 4. 12      | 8. €22.74    |